

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S13	1	("20030086892").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/11 17:27
S14	1	("20030161852").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/11 17:42
S15	1	2002DE-1046706.ap,prai.	EPO; JPO; DERWENT	OR	ON	2005/10/11 17:50
S16	2181	HENNING-T\$.in. MILLER-D\$.in.	EPO; JPO; DERWENT	OR	ON	2005/10/11 17:50
S17	48972	(polyethylene adj glycol) PEG	EPO; JPO; DERWENT	OR	ON	2005/10/11 17:51
S18	21	S16 and S17	EPO; JPO; DERWENT	OR	ON	2005/10/11 17:51
S19	1	("5126474").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/12 14:25
S20	1	("5484851").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/12 14:25
S21	1	("5290555").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/13 10:03
S22	1	("6187299").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/13 10:08
S23	275390	(polyethylene adj glycol) polyethyleneglycol polyoxyethylene PEG	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/13 14:47
S24	206673	"alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl)" (carbowax adj ("200" "400" "8000")) emkapol "Ethoxylated 1,2-ethanediol" (Ethylene adj glycol near3 polymer) gafanol Macrogol pluriol (polydiol adj "200") "Poly(ethylene glycol)" (Poly adj Ethylene adj Oxide) Polyglycol (Polyox adj WSR-301)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/13 14:47
S25	295375	S23 S24	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/13 10:14
S26	14024	microemulsion	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/13 14:48
S27	10297	S25 and S26	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/13 10:15

S28	2855	S25 same S26	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/13 10:16
S29	524280	transparent	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/13 10:16
S30	955	S28 and S29	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/13 10:16
S31	45	S28 same S29	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/13 10:16
S32	1	2004-373602.NRAN.	DERWENT	OR	ON	2005/10/13 12:22
S33	70272	(polyethylene adj glycol) polyethyleneglycol polyoxyethylene PEG	EPO; JPO; DERWENT	OR	ON	2005/10/13 14:47
S34	33596	"alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl)" (carbowax adj ("200" "400" "8000")) emkapol "Ethoxylated 1,2-ethanediol" (Ethylene adj glycol near3 polymer) gafanol Macrogol pluriol (polydiol adj "200") "Poly(ethylene glycol)" (Poly adj Ethylene adj Oxide) Polyglycol (Polyox adj WSR-301)	EPO; JPO; DERWENT	OR	ON	2005/10/13 14:48
S35	75828	S33 S34	EPO; JPO; DERWENT	OR	ON	2005/10/13 14:48
S36	2494	microemulsion	EPO; JPO; DERWENT	OR	ON	2005/10/13 14:48
S37	205	S35 and S36	EPO; JPO; DERWENT	OR	ON	2005/10/13 21:26

DERWENT-ACC-NO: 1989-033025

DERWENT-WEEK: 198905

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TITLE: Aq. liq. fertiliser - contg. nonionic surfactant and polyethylene glycol, trace elements, plant growth promoters, nitrogen, phosphorus and potassium

INVENTOR: BILLIA, M; KLINCAK, J

PATENT-ASSIGNEE: MIFA FRENKEN AG [MIFAN]

PRIORITY-DATA: 1987CH-0002708 (July 16, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
<u>DE 3823539 A</u>	January 26, 1989	N/A
005 N/A		
CH 672486 A	November 30, 1989	N/A
000 N/A		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
DE 3823539A July 12, 1988	N/A	1988DE-3823539

INT-CL (IPC): C05D011/00, C05G001/00, C05G003/06

ABSTRACTED-PUB-NO: DE 3823539A

BASIC-ABSTRACT:

New aq. liq. fertiliser contains (a) at least one non-ionic surface active agent, (b) at least one polyethylene glycol acting as a solubiliser for surface active agent combinations, (c) at least one trace element, (d) at least one plant growth promoter and (e) nitrogen, phosphorus and potassium, and have a pH of 2-7.

USE/ADVANTAGE - Liquid fertilisers for plants e.g. violets, begonias, cacti, palms, orchids etc. Inclusion of one or more non-ionic surface active agents significantly increases the activity of the liq. fertilisers.

CHOSEN-DRAWING: Dwg. 0/0

TITLE-TERMS: AQUEOUS LIQUID FERTILISER CONTAIN NONIONIC SURFACTANT POLYETHYLENE

GLYCOL TRACE ELEMENT PLANT GROWTH PROMOTE NITROGEN  
PHOSPHORUS  
POTASSIUM

DERWENT-CLASS: A97 C04

CPI-CODES: A05-H03; A10-E08A; A10-E08B; A12-W04B; C04-B02A; C04-B03A;  
C04-C03C; C05-A01A; C05-A03A; C05-A03B; C05-B02A3; C05-B02C;  
C05-C03; C12-C09; C12-M07; C12-M09; C12-N09; C12-P04;

CHEMICAL-CODES:

Chemical Indexing M1 \*01\*

Fragmentation Code

H4 H402 H482 H5 H589 H8 M280 M312 M323 M332  
M342 M383 M393 M423 M431 M510 M520 M530 M540 M620  
M782 M903 M904 M910 Q615 V0 V743

Specfic Compounds

02044M

Chemical Indexing M1 \*05\*

Fragmentation Code

G013 G100 H4 H401 H481 H5 H541 H589 H8 M210  
M216 M220 M221 M222 M223 M224 M225 M226 M231 M232  
M233 M240 M272 M281 M312 M323 M332 M342 M383 M393  
M423 M431 M510 M520 M530 M531 M540 M620 M782 M903  
Q616 V743

Chemical Indexing M2 \*02\*

Fragmentation Code

C101 C108 C500 C550 C730 C801 C802 C804 C807 M411  
M431 M782 M903 M904 M910 P112

Specfic Compounds

01534M

Chemical Indexing M2 \*03\*

Fragmentation Code

A426 C810 M411 M431 M782 M903 M904 P111

Specfic Compounds

03036M

Chemical Indexing M2 \*04\*

Fragmentation Code

D011 D021 D029 D030 D220 H4 H402 H462 H7 H720  
H8 J0 J011 J1 J151 J5 J521 L9 L942 M210  
M211 M240 M281 M311 M321 M341 M412 M431 M511 M520  
M530 M540 M782 M903 M904 M910 P134 V0 V510

Ring Index

13531

Specfic Compounds

00410M

Chemical Indexing M2 \*06\*

Fragmentation Code

A429 C810 M411 M431 M782 M903 M904 P111

Specfic Compounds

05099M

Chemical Indexing M2 \*07\*

Fragmentation Code

A425 C810 M411 M431 M782 M903 M904 P111

Specfic Compounds

03037M

Chemical Indexing M2 \*08\*

Fragmentation Code

B105 C810 M411 M431 M782 M903 M904 M910 P111

Specfic Compounds

01668M

Chemical Indexing M2 \*09\*

Fragmentation Code

A427 C810 M411 M431 M782 M903 M904 P111

Specfic Compounds

03034M

Chemical Indexing M2 \*10\*

Fragmentation Code

A430 C810 M411 M431 M782 M903 M904 P111

Specfic Compounds

03035M

Chemical Indexing M2 \*11\*

Fragmentation Code

A542 C810 M411 M431 M782 M903 M904 P111

Specfic Compounds

06800M

Chemical Indexing M2 \*12\*

Fragmentation Code  
C108 C307 C500 C510 C730 C801 C802 C804 C807 M411  
M431 M782 M903 M904 M910 P112  
Specfic Compounds  
01648M

Chemical Indexing M2 \*13\*  
Fragmentation Code  
K0 L4 L432 M280 M320 M416 M431 M620 M782 M903  
M904 M910 P113  
Specfic Compounds  
00123M

Chemical Indexing M2 \*14\*  
Fragmentation Code  
A119 A940 C017 C100 C730 C801 C803 C804 C805 C806  
C807 M411 M431 M782 M903 M904 M910 P112  
Specfic Compounds  
01678M

Chemical Indexing M2 \*15\*  
Fragmentation Code  
B115 B701 B713 B720 B815 B831 C101 C108 C500 C802  
C804 C807 M411 M431 M782 M903 M904 M910 P112  
Specfic Compounds  
01731M 01787M 01913M

Chemical Indexing M2 \*16\*  
Fragmentation Code  
D011 D931 F012 F111 H1 H102 H121 L943 M280 M311  
M321 M342 M373 M391 M412 M431 M511 M521 M530 M540  
M782 M903  
Specfic Compounds  
01325M

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0123U; 0410U ; 1534U ; 1648U ;  
1668U ; 1678U  
; 1731U ; 1787U ; 1913U ; 2044U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0013 0231 1279 1588 1592 2002 2014 2585 3261  
Multipunch Codes: 014 028 039 04- 147 198 231 240 31- 336 52& 575 583  
589 611  
688 720

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1989-014304